What is claimed is:

1. 1.   A method for establishing a connection between wireless devices, comprising:

2   (a) performing an inquiry;

3   (b) performing an inquiry scan for a random duration following said

4   inquiry; and

5   (c) establishing the connection after receiving a device address in

6   response to said inquiry.

1. 2.   The method of claim 1, wherein said inquiry has a fixed duration.

1. 3.   The method of claim 1, wherein said operation (c) comprises paging said device

2   address.

1. 4.   The method of claim 1, wherein said method further comprises (d) establishing

2   the connection after receiving an inquiring device inquiry during said inquiry

3   scan.

1. 5.   The method of claim 4, wherein said method further comprises performing a

2   page scan while performing said inquiry scan.

1. 6.   The method of claim 5, wherein said operation (d) comprises responding with a

2   second device address upon receiving said inquiring device inquiry, and if said

3   second device address is paged during said page scan, establishing the

4   connection.

1. 7.   A method for establishing a connection between wireless devices, comprising:

2   (a) performing inquiries at random intervals;

3   (b) performing an inquiry scan and a page scan when not performing

4   said inquiries;

5   (c) upon receiving a first device address in response to one of said

6   inquiries, paging said first device address to establish the connection;

7   and

8   (d) upon receiving an inquiring device inquiry during said inquiry scan,

9   responding with a second device address, and if said second device

10   address is paged during said page scan, establishing the connection.

1   8.   The method of claim 7, wherein said inquiries have a fixed duration.

1   9.   The method of claim 7, wherein the wireless devices are not assigned
2   client/server roles prior to establishing the connection.

1   10.   The method of claim 7, further comprising storing configuration information
2   upon the connection being established, and re-establishing the connection using
3   said configuration information upon the connection being lost.

1   11.   The method of claim 10, wherein said re-establishing is attempted a number of
2   attempts until the connection is re-established, and if the connection is not re-
3   established, returning to operation (a).

1   12.   The method of claim 10, wherein said configuration information comprises role
2   and device address information.

1   13.   A method for establishing a connection between a first wireless device and a
2   second wireless device, comprising:
3   (a) at the first wireless device, performing first inquiries at random
4   intervals and performing first inquiry scans when not performing said
5   first inquiries;
6   (b) at the second wireless device, performing second inquiries at random
7   intervals and performing second inquiry scans when not performing
8   said second inquiries; and
9   (c) establishing the connection after the first wireless device receiving
10   one of said second inquiries during one of said first inquiry scans.

1   14.   The method of claim 13, wherein said first inquiries have a first fixed duration,
2   and said second inquiries have a second fixed duration.

1   15.   The method of claim 13, wherein the first wireless device and the second
2   wireless device are not assigned client/server roles prior to establishing the
3   connection.

1   16.   The method of claim 13, wherein said method further comprises:

2   (a1) at the first wireless device, performing first page scans while

3   performing said first inquiry scans; and

4   (b1) at the second wireless device, performing second page scans while

5   performing said second inquiry scans.

1   17.   The method of claim 16, wherein said establishing comprises:

2   (c1) sending a first device address to the second wireless device, wherein

3   said first device address corresponds to the first wireless device; and

4   (c2) paging the first wireless device using said first device address,

5   thereby establishing the connection.

1   18.   The method of claim 13, further comprising (d) assigning a server role to the

2   first wireless device and a client role to the second wireless device, and if the

3   connection is lost, re-establishing the connection using said client role and said

4   server role.

1   19.   The method of claim 18, wherein said re-establishing comprises paging the first

2   wireless device, wherein said paging is repeated a first number of attempts until

3   the connection is re-established, and if the connection is not re-established,

4   returning to operation (a).

1   20.   A wireless device that communicates via a wireless link, said wireless device

2   comprising:

3   means for performing inquiries at random intervals;

4   means for performing inquiry scans and page scans when not performing said

5   inquiries; and

6   means for paging a responding device to establish the wireless link upon

7   receiving a first device address in response to one of said inquiries, wherein said first

8   device address identifies said responding device.

1   21.   The wireless device of claim 20, further comprising:

2   means for providing a second device address upon receiving a discovering

3   device inquiry during one of said inquiry scans, wherein said second device address

4   identifies the wireless device; and

5   means for establishing the wireless link upon receiving a page to said second

6   device address.

1   22.   The wireless device of claim 20, wherein said inquiries have a fixed duration.

1   23.   The wireless device of claim 20, further comprising a memory, wherein

2   configuration information is stored in said memory upon establishing the

3   wireless link.